GRUMMAN
plane
news

Whatever your game, GAA wants you on its team - pg. 6

Skurla's message spurs letter-writing campaign

Grummanites and Long Islanders are spreading the word to their government representatives about their concern over the proposed cutback in F-14 production for fiscal year 1979.

The petititions and letter writing campaign was spurred by Grumman Aerospace Chairman and President George Skurla's "urgent message to Long Islanders," a full-page ad that ran in the February 3 issue of NEWSDAY.

In his message, Skurla stated: "If you believe in the best defense for your country and a strong L.I. economy, I urge you to write to your representative Congressmen in Washington and the Head of the Armed Services Committee... Do it today; tomorrow may be too late!"

Donate time and energy

Throughout the company, Grummanites are volunteering their free time to conduct their own letter-writing and petition campaigns.

In Plant 30, a group of approximately 25 Seller Surveillance people initiated a petition-signing campaign. Reports director Tony Collura, "A few young people started the campaign during their lunch-hour. On the first day, they accummulated over 100 names."

Every Tuesday evening, the Plant 30 volunteers meet to discuss new strategies in conducting the signature drive.

"During lunch, it is not unusual to see these volunteers helping others compose letters, finding out who their representatives are, or supplying the right address," says Collura.

Thus far, the Plant 30 contingent has gathered over 1,800 signatures; they chip in for postage out of their own pockets. In recent weeks, they've sent copies of the petitions to friends in other Grumman plants.

But they are not the only Grumman men and women involved. Every lunch period and after-hours, volunteers in plants throughout the company can be seen assisting co-workers compose letters.

Another part of the Grumman family — the Grumman retirees — are also getting into the act. At their February meeting, club president Charlie Chlanda posted Skurla's message and a long list of local government representatives. Chlanda even supplied pencils and paper so they could copy addresses.

The main topic of conversation at all retiree club meetings is Grumman. "And at our latest meeting, the main subject was 'how can we help,'" reports Chlanda. He expects a great number will write letters, judging from the amount of retirees who asked for their congressmen's address.

Skurla's alert on the impact of the proposed F-14 cutbacks also moved fellow Long Islanders.

In a letter to President Jimmy Carter, Lou Salvante, president of the Chamber of Commerce of Greater Bay Shore, wrote: "We represent 40,000 American citizens living and working in our hamlet who are greatly disturbed regarding the proposed cutback in the F-14 production rate for fiscal year 1979."

Calling for the President's reversal of his Administration's action, Salvante said, "The F-14 Tomcat is vital to our Nation's defense; the reduction seriously jeopardizes the readiness of our sea-based striking forces. The move will result in a dramatic increase in the unit cost of the F-14. In addition, this action could have very damaging consequences to the economy of our own area right now."

The Town of Riverhead passed a resolution on February 14 to "support the continued production of the F-14 aircraft by Grumman Aerospace," and "request(s) that all levels of Government continue to support the Grumman Aerospace Corporation, its products and its people."

Government representatives are responding to the letter appeal, too. Rep. John Wydler in a letter to William Aldridge wrote, "I agree with you completely that the Administration's cutback of the F-14 Program is foolish beyond belief. As one who fought hard in the Ford Administration to get a schedule of production that was sound and cost-effective, I am most disappointed that the Carter Administration is literally tearing the heart out of the Long Island defense industry. I intend to fight him in every way I can... Let's work together and make sure the current Administration is not able to convert the F-14 into an inferior F-18 for political purposes."

L.I. Caucus

In a related move, Skurla attended the first meeting of the Long Island Caucus in Washington, D.C. on Wednesday, February 22. One of the topics discussed was the proposed cutback of the F-14. Representatives in attendance were Otis Pike who chaired the session; Tom Downey; Jerome Ambro; Norman Lent; John Wydler; Lester Wolff; and Long Island's two county executives, Francis Purcell of Nassau and John Klein of Suffolk.

Skurla was accompanied by Vice President Tom Kane, deputy director of Business Development; and Vice President Gordon Ochenrider, Washington Operations. Dr. Norman Grossman, president of Fairchild Republic Co., talked with the group after Skurla's visit.

In an announcement prior to the meeting, Congressmen Downey and Ambro stated, "We are especially pleased that Grumman and Fairchild, which employ tens of thousands of workers on Long Island, will be bringing the Caucus up-to-date on their programs. The Grumman F-14 and the Fairchild A-10 have had a fairly stormy history in Congress, and we believe that the Caucus can put its support behind a real effort to stabilize the Fairchild program and keep the Grumman program on its original schedule during this session of Congress."

Establish new department to direct software efforts

Goal discussion. *Gerry Sandler (R), Software Systems department head, discusses department objectives with deputy Connie Blyseth.*

Late last year, Grumman Aerospace announced the formation of a new Software Systems Department as part of its Departmental Operations.

With the software industry changing so rapidly, this new department is responsible for developing and maintaining the necessary skill base needed to provide Grumman with a competitive edge in this fast moving technology, says Gerry Sandler, newly appointed department head.

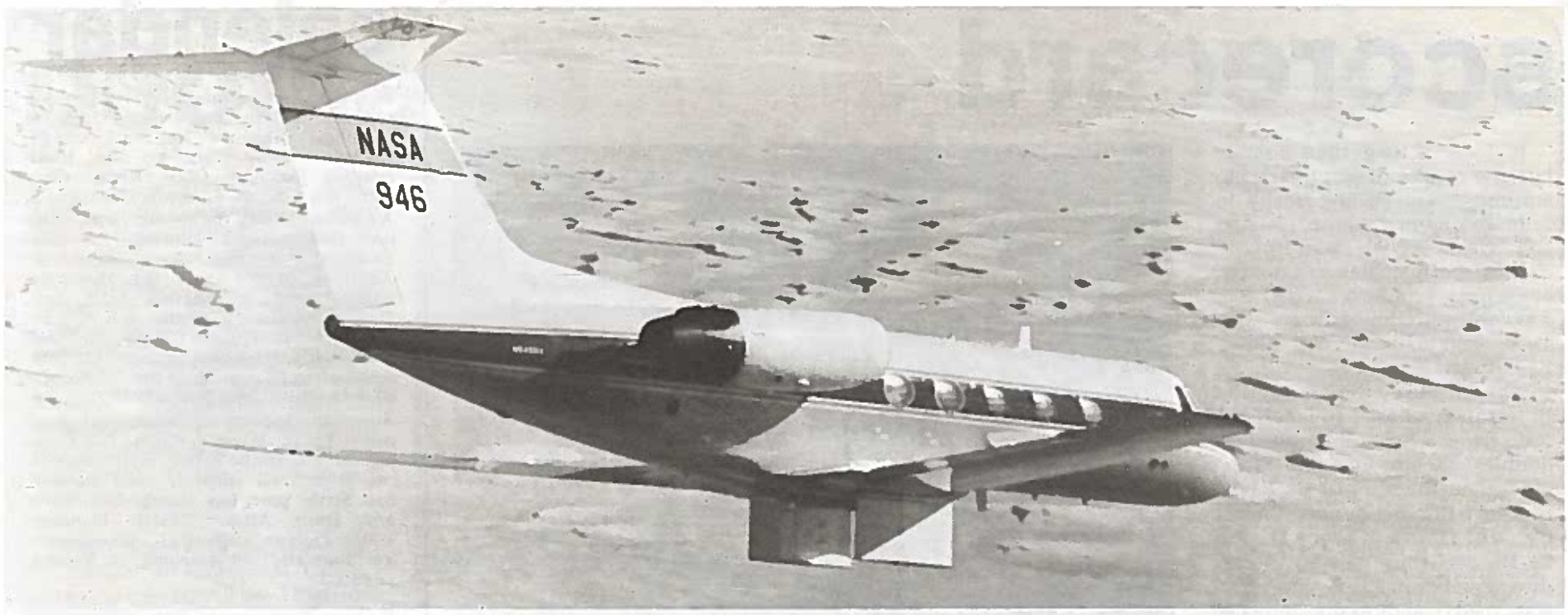
In some quarters, software is still thought of as merely another word for computer programming, but it encompasses much more. The software job is defining not only what the hardware must do to accomplish its objectives, but implementing and testing the equipment to insure that it does what it has been programmed to do. "Simply put, software is the 'intelligence' of the hardware in the computer system aboard our aircraft," states Sandler.

"The major thrust for the next couple of years will be to provide the rigor and discipline to our deliverable software products that we normally apply to hardware," says Sandler, who reports to Senior Vice President Larry Mead. "We need to do this to bring our productivity to a more competitive position."

"The department will be developing the methods and standards to produce an environment where software can be designed, built and tracked as automatically and with as much visibility as possible," concludes Connie Blyseth, deputy department head.

The Software Systems Department is located in Plant 35.

Vol. 37, No. 3, Bethpage, N.Y., March 3, 1978



NASA official praises Shuttle Trainer Aircraft

As the Shuttle Orbiter astronauts continue test flights to get ready for their first venture into space in 1980, the two Gulfstream II corporate jets modified by Grumman Aerospace as Shuttle Trainer Aircraft (STA) are getting a workout.

Recently, Grumman Aerospace Chairman and President George Skurla received a letter praising the STA's from Christopher Kraft, director of the Lyndon B. Johnson Space Center, Houston.

Commending Grumman for its design and development of the STA, Kraft wrote, "I am told by the astronauts who flew the Shuttle Orbiter Approach and Landing Test flights that the STA's proved to be nearly a one-for-one dynamic simulator. . . It is meaningful to know that we have produced a device which closely simulates the approach characteristics of the Shuttle."

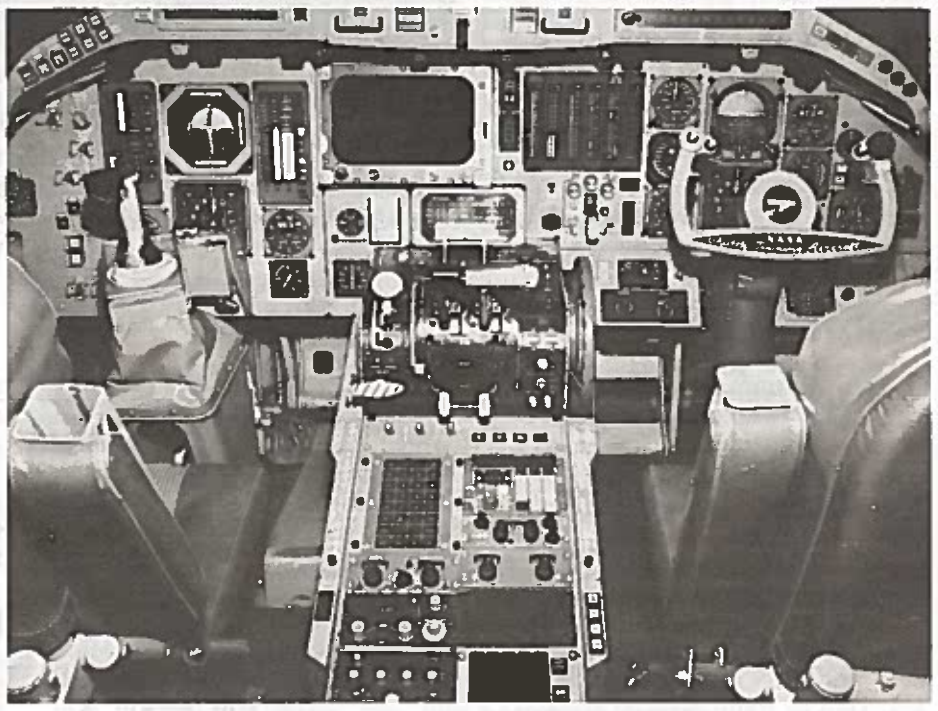
When an astronaut flies the STA, he's controlling the craft by the on-board computer. This is programmed to make the corporate jet react like the 150,000 lb. flat iron-shaped Orbiter, which makes a powerless glide approach and landing.

The powerless feel of the Orbiter is simulated by flying the trainer with a great deal of reverse thrust. This causes it to drop at an angle four times steeper than a passenger aircraft would approach on a landing.

The instructor enters simulation data, such as Orbiter weight, cargo weight, center of gravity and landing location, into the computer. He can also enter problems such as equipment failures to train the astronauts in emergency procedures.

As the Shuttle test flights progress, more data can be fed into the computer to make the STA even more realistic.

Kraft concluded his letter to Skurla by saying: "Please convey to those people at Grumman who participated in the design and development of the STA our thanks for doing their job so well."



Driver's seat. *During training maneuvers in the STA, the instructor sits on the right hand side and enters data into the onboard computer to train Shuttle Orbiter astronauts in emergency procedures.*

Discount show tix

Discount tickets to the following Broadway shows are now on sale at all Employee Services offices:

Chapter II — Thursday, March 16, at the Imperial Theatre, $15 for orchestra seats.

Beatlemania — Thursday, March 23, at the Winter Garden, $10.80.

Dancing — Thursday, April 13, at the Broadhurst Theatre, $17.50.

GRUMMAN plane news

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obituaries

RUTH E. ALLISON of Simulation, Plant 14, died January 21 at the age of 64. She had been with the company since 1964 and resided at 18-15 215th St., Bayside.

JOSEPH AMBROSE of Structures, Plant 6, died February 6 at the age of 54. He worked for the company since 1963 and lived at 1165 Udall Rd., Bay Shore.

LEROY C. PEKA of ILS Logistic Services, Plant 89, died February 9 at the age of 53. He had been with the company since 1963 and lived at 228 Worthington Mill Rd., Richboro, Pa.

Personals

Our family wishes to thank all our friends, co-workers, and Employee Services for their kindness and sympathy shown during the recent loss of our father. Lottie Lewis and Fred Mueller

We wish to thank our friends at Grumman for their kindness and expressions of sympathy on the loss of our father. Helen and Larry Holzapfel

For the family of my late husband, it is with sincerest thanks that I convey our deep appreciation to all his friends and colleagues for their kind and thoughtful expressions of sympathy for our profound loss. Mrs. William T. Schwendler

I wish to thank my friends at Grumman and Employee Services for their thoughtfulness and concern during my recuperation from surgery. John J. Campbell

I wish to thank my many friends at Grumman and Employee Services for their thoughtfulness and many prayers during my recuperation from surgery. Dominick DelGaudio

I wish to thank the many friends and fellow workers who have sent cards and letters to me during my recuperation period at home. George Harris

(Continued on page 5)

scorecard

It took a long time coming, but the results of last year's late autumn tourneys are finally in.

In the annual Bethpage handball classic, Nick Bincarowsky claimed both singles and doubles crowns. Teamed with Sam Ferrantino, Bincarowsky beat Tom Jenkins and Jim Casey, 21-3, in the finals.

To capture the solo title, Bincarowsky has a tougher contest. Eugene Ericson bumped the doubles champ into the loser's bracket in the semi-finals, 21-18. Bincarowsky rebounded nicely by defeating Calvin Grahm, 21-15, and thus, getting another shot at Ericson. This time, Nick was ready and easily defeated Ericson, 21-2, 21-7.

Champ of the Plant 36 handball circuit is Rod Brodman. He beat Cliff Seifried, 21-7, for the honor. In other Garden City action, Frank Leach won the annual horseshoe contest by outscoring Tom McKenna, 21-14, 21-18, in the final round.

Long road to title. *The Grumman varsity basketball team is in the midst of a tough battle for first place in the L.I. Industrial and the Glen Cove leagues. Hellcat members are (L to R) front row - Tony Razziano (coach), Richie Washington, Ed Krol, Lee Gendron (asst. coach); middle row - Steve Bailey and Jerry Concannon; back row - Larry Tarvin, Larry Bates, Nate Kelly, Rich Brown, Gary Flynn, Gene Cromwell, and Jim McKinstry. (Photo by Marie Trimborn)*

Hall of Fame

Two Grummanites are among the 10 people who will be honored at the third annual L.I. Amateur Softball Association's Hall of Fame Installation Dinner on March 31.

A former Grumman Yankee catcher in the early 50's, Brian Masterson will join fellow teammates George Fowler, Ollie Johnson, and Roy Stephenson in the L.I. Hall of Fame. Pat de Angelo, a referee for over 40 years, will be inducted into the Hall of Honor.

Tickets to the annual A.S.A. dinner at the Wheatley Hills Tavern in Westbury are now on sale in the GAA office for $13.

Fore!

Though golfers might think the snow will never melt, Mike Cherry of GAA has announced that the 1978 golf season will open shortly. He asks that all members of the Tigercat, Blue and Gray leagues mail their 1978 registration forms to him as soon as possible.

All GAA-sanctioned league secretaries should contact Mike if they plan on playing at Bethpage State Park this year.

Stuart champs. *Ed Dalva (C), Vice President and general manager of Stuart Operations, congratulates champions (L to R) of Friday golf league Gary Marangio and Mike Pescitelli, and Bob Grover and Jim Flowers of Thursday league.*

Holy smokes

Team members of the Holy Terrors demolished the Wackers in the finals of the annual Calverton Bocce league season. Finishing the season with a 25-5 record, the Holy Terrors defeated their opponents in four straight games to clinch the 1977 championships.

Members of the championship team are captain Joe Ambrose, Frank deQuarto, Patty Welsh, Jody Boyle, Lenny Trifaro, and Dominick Davi.

Cruising

The Grumman Athletic Association is offering a special Inaugural Cruise to Bermuda on April 25-30.

The cost of the five-day excursion ranges from $330 per person (based on double occupancy per cabin) to $550 per person for stateroom accommodations.

For further information, contact the GAA office, Ext. 2133 or 2269.

calendar

Alcoholics Anonymous: every Mon., 5 p.m., Pl. 15 conference room C; closed meetings; Personnel Relations, x3521; Calverton: every Mon., 4-5 p.m., Headquarters Building; Great River: every Wed., 4-5 p.m., Pl. 43 conference room 3.

American Society for Metals: (joint meeting with American Society for Non-Destructive Testing); Wed., March 15, Antun's, 244 Old Cntry. Rd., Hicksville, complimentary cocktails 5:30 p.m., dinner 6:30 p.m., presentation 8:00 p.m.; guest speaker: Thomas Cooper, Air Force Materials Lab. — "Importance of Non-Destructive Evaluation to the Air Force;" all welcome. J. Beaudain, x3945.

American Society of Mechanical Engineers: Thurs., March 9, 8 p.m., L.I. Lighting Co., Hicksville office, west entrance, rm. 210; local chapter; guest speaker: Saul Davis, prof. Law Bklyn. Poly, Davis and Davis Attys. — "Estate Planning: Wills, Probate, Insurance, Investments, Tax Shelters;" all welcome. A. Ferrara, x5866.

Fencing Club: every Tues., after 4:30 p.m., Pl. 30 cafe; both beginners and experienced fencers; instruction and competition; GAC employees and dependents welcome. P. Chaldaris, x4331.

Folk-Dancers Club (Calverton): every Tues. folk dancing, every Thurs., hustle and ballroom dancing; some instructions available; lunchtime, receiving area, Pl. 6; all welcome. E. Urciuoli, x(117)6688.

GACE Flying Club: Fri., March 10, 5 p.m., Pl. 28 auditorium; regular membership meeting; slide presentation of Grand Canyon; guests welcome. R. Reisch, x3286.

Grumman Scuba Divers Club: Wed., March 8, 7 p.m., Chateau Restaurant, Bagatelle Rd.; general meeting; all welcome. A. Andreiev, x5540.

Grumman Ski Club: alternate Wed. beginning March 1, 8:30 p.m., Checkmate Lounge; all types of skiing; Mar. 3-5 champagne wk-end, interclub races (party/dance Sat. nt.), Mar. 17-19 winterskol, costume party/dance, ski races; everyone welcome. A. Garmendia, x7819/8910.

Grumman Tennis Club: Wed., March 8, 5 p.m., Pl. 5 cafe; tennis clinic to paid membership only. P. Andrews, x7345.

Grumman Toastmasters Club: Wed., March 8, 5 p.m., Pl. 25, conference room C; local chapter; club speech contest; all GAC and GAC Navy office personnel welcome. J. Allison, x3475.

IES: Thurs., March 16, by reservation only, cocktails 6 p.m., dinner 7 p.m., presentation 8 p.m., Antun's, Hicksville; guest speaker: R. Christian Anderson, asst. director of Brookhaven Lab. — "Brookhaven Laboratories—A Programs Review;" guests welcome. J. Popolo, x6704.

Karate Club: every Tues. and Thurs., 5:30-7:00 p.m., Pl. 35 cafe; building character thru physical fitness; GAC employees and families welcome. H. Dreksler, x8812.

Retiree Club: Wed., March 29, 1:30 p.m., Holiday Manor; local chapter; business meeting. E. Drasser, x2133/2269.

Stamp Club: 1st, 2nd, 3rd Wed. of each month, 4:45 p.m., Pl. 35 cafe. S. Hoops, X3926.

The National Secretaries Association (Intl.): Thurs., March 16, Riverhead Polish Independent Club, Marcy Ave., Riverhead, cocktails 6:30 p.m., dinner 7:00 p.m., followed by presentation; twin forks chapter; guest speaker: Mr. Cippollini, Surrogate's Court — "Last Wills and Testaments;" all welcome. E.M. Gaias, x(117)7397.

people

In a little more than a week, Calverton Grummanites were called to fight fire and flood in Suffolk County villages. On Friday, January 26, the town of Riverhead was fighting desperately to save a number of homes from flooding after a dam near Calverton had broken. Cliff Heitman and George Gaschott gathered their Transportation and Facilities teams and rushed equipment to the damsite and shored it up.

Town Supervisor Allen Smith, in a letter to Calverton Operations director Tom Merritt, wrote; "As always, your Corporation and its employees were most helpful. In this particular instance, they helped avert a tragedy."

Eight days later, Grummanites extended another helping hand to their neighbors.

On Saturday, February 4, an experimental synthetic resin used to resurface the roadway on the Route 25 bridge in Greenport ignited suddenly. Workmen on the scene were able to extinguish the fire. But when a second fire erupted with an explosion, the combined efforts of five fire companies were unable to extinguish the blaze. With the fire emitting noxious and potentially lethal fumes, Chief Stapler of the Greenport Fire Department put in a call to Grumman for help.

George Rose and Grumman firemen Walter Alber Jr., Robert Brooks, Bruce Maurice and Alex Rogozinski raced to the scene and doused the fire with Halon, a new fire fighting gas.

Bright future. *Participants in Grumman's Industrial Engineering Training Program for Women recently gathered to celebrate the successful completion of the four-year program. Through the training program, these Grummanites were able to upgrade their skill codes to professional status.*

New posts

Among those who recently received changes in assignments were: DEPARTMENTAL OPERATIONS — Martin Jungman, engineering specialist, RF and Video equipment; John Weick, technical specialist, Electrical Engineering; and Charles Esposito, project manager, ATE Systems, all in Equipment Technology; and Edward Stroud, deputy support program manager, EF-111A, all in the Integrated Logistics Support Department; and in Software Systems, Robert Hong has been appointed to director of Software Systems Analysis and Design; OPERATIONS — Richard Holmes has been assigned to the staff of R.H. Tripp; BETHPAGE OPERATIONS — Anthony Cosentino, Tool Design; Paul Hentschel, Numerical Control Programming; and Bernard Tolmie, Plant Monitoring and Control, all appointed to group leader; and George Gagnon, Press; Francis Smith, Control Department, both appointed to foreman; CONFIGURATION/DATA MANAGEMENT — Steven Jacobs, Configuration Management; and Robert Helgesen, Data Management, both promoted to assistant manager; CORPORATE QUALITY AND SAFETY OPERATIONS — John England, manager, Measurement Standards, Quality Assurance; and Frank Albanese, supervisor inspection in the Product Development Center; and in CALVERTON — Joseph Tagliavia, appointed to manager, Off-Site Requirements.

metrics

Celsius. An aggravating, newfangled temperature scale some troublemaker thought up last week to make life confusing, right?

Wrong. The system was devised by the Swedish astronomer Anders Celsius, who thought it was sensible and convenient to have water freeze at 0° and boil at 100°. Anders was born in 1701. And now, more than two centuries later, the National Weather Service has agreed that it is sensible and convenient, and announces the temperature degrees in Celsius as well as Fahrenheit.

Actually, the Fahrenheit scale is slightly older than the Celsius scale. It was named after Gabriel Fahrenheit, a German physicist who was born in 1686. Gabriel's system is, when you think about it, absurdly complicated. On his scale, water freezes at 32° and boils at 212° . . . and zero is the temperature of a mixture of equal weights of snow and common salt. Why would anyone ever want to do that?

To convert Fahrenheit to Celsius, subtract 32 and multiply the remainder by 5/9. To change 68°F to degrees Celsius, for instance:

68
−32
36 x 5/9 = 20°C

If you know the temperature in Celsius and want to convert it to Fahrenheit, multiply it by 9/5 and add 32. For example, to change 20°C to degrees Fahrenheit:

20 x 9/5 = 36
+32
68°F

According to the National Metric Council, the weather services will be giving us the temperature readings in both Celsius and Fahrenheit for another two years. And by 1980, chances are you won't have to do all that arithmetic to figure out whether you need earmuffs or a swimsuit. Celsius will become part of your daily life. . .and you'll make a new set of mental associations for the new scale, just as you did for the Fahrenheit scale when you were a little kid.

When it's 30°C out, you'll switch on the air conditioner or think about heading for the beach. When your body temperature goes over 37°C, you'll take a couple of aspirin or maybe call the doctor. When it's 20°C out, it's a good day for a picnic. If you're an energy-conscious individual, you'll keep your indoor thermostat at 18°C. You'll bake cookies in a 185°C oven, and get out your ice skates when the outdoor temperature goes to 0°C or below.

Personals

(Continued from page 3)

On behalf of myself and the family of Ralph Reichelt, I sincerely appreciate the kind expressions of sympathy received from my friends, co-workers, and Employee Services after the recent loss of my father. D. Janet Reichelt

A heartfelt "thank you" to my friends at Grumman who expressed their sympathy to me and my family over the death of my mother, Evelyn. Mary Ann Bienias

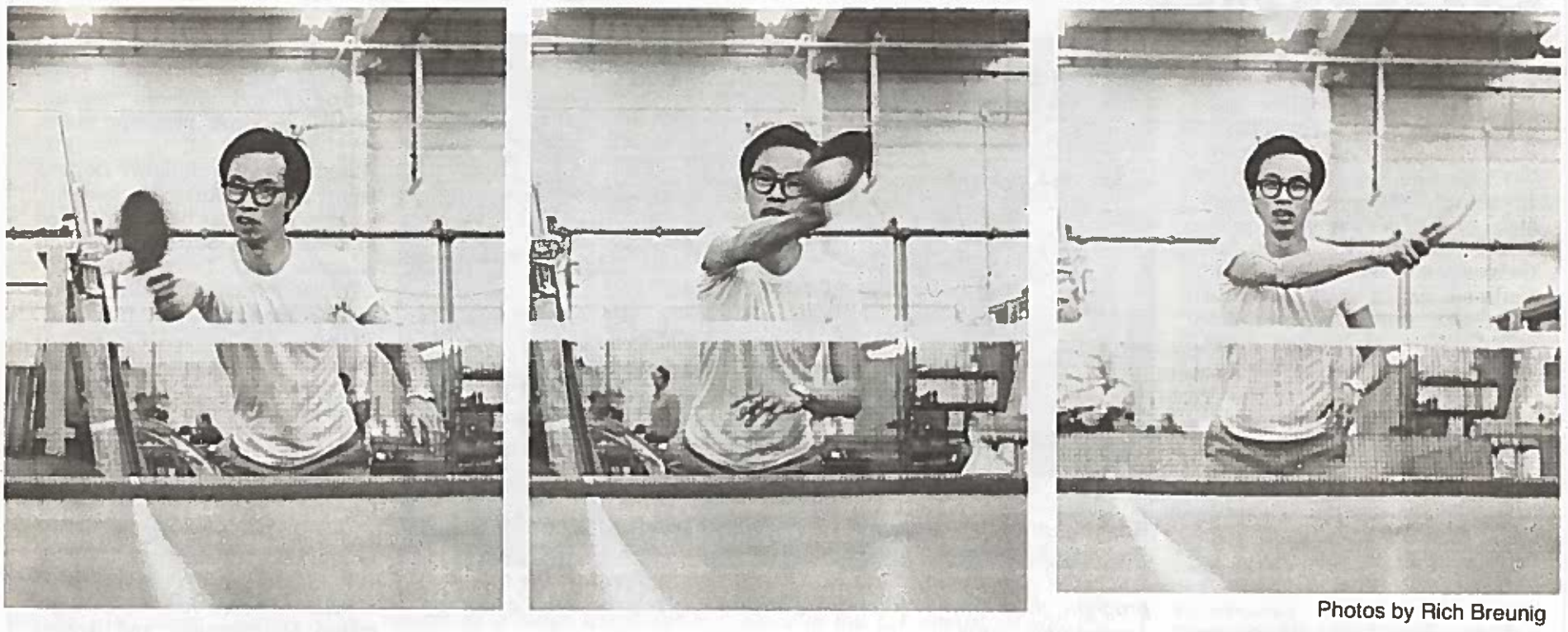
We wish to thank our friends, coworkers, and Grumman Employee Services for their sympathy and thoughtfulness during our recent loss. Walter, Joe, Ed Jasuta and Dolores Inman

The family, of Richard T. Gibney wishes to extend their warmest feelings of appreciation to the Grumman people and the Grumman Corporation. The kind thoughts and concerned expressions will long be remembered. Francis Gibney

We would like to thank everyone who shared our thoughts during our time of grief. The Simpson family

We would like to thank all my friends at Grumman and Employee Services for their kind expressions of sympathy in the recent loss of my father. Joseph L. Vokral and family

Come join wide, wide world of GAA



Photos by Rich Breunig

In today's world of creeping inflation, everyone looks for a good bargain. During the month of March, bargain hunters don't have to search through merchandise at local flea markets. This month's big buy can be made right here at Grumman during the annual GAA membership drive.

A GAA membership card still costs $1. When we say "still" that means the Grumman Athletic Association hasn't jacked its price since its first membership drive in 1947. That's quite a bargain, especially when you compare the purchasing power of the dollar in 1948 ($1.40) to 1978 (36 cents.)

Whatever you get out of that meager sum is pretty much up to you. There are scores of activities for both your mind and body... however the spirit moves you. The GAA offers something for everyone.

Wide assortment

All membership fees go directly to the support of clubs listed on this page and sports that run the gamut from archery, bocce, handball, softball, horseshoes and quoits, through shuffleboard, table tennis, and volleyball, to basketball, billiards, bowling and golf. There are others too. If your sport isn't being played or your activity is not listed, contact the GAA — they'll help you do something about it.

No varsity sports are supported by GAA membership monies. Varsity soccer, golf, basketball, tennis and bowling are sponsored by corporate donations.

Besides sports, the GAA organizes and presents shows each year that highlight individual talents. Art, photography, and hobby shows keep Grummanite creative talents sharp while people with green thumbs are challenged by spring, rose, and fall garden shows.

If your pleasure is travel, GAA sponsors enough programs to satisfy the wanderlust in most people. With competitive prices and top-drawer accommodations, it offers trips to such places as Switzerland, Italy, the Caribbean, and Hawaii.

Your membership dollar also entitles you to a drawing for prizes. Fifteen lucky ticket holders will win a $100 U.S. Savings Bond while 50 more will take home a set of Grumman glasses.

To be eligible for the drawing, buy a $1 ticket. Then sign your name, department, and telephone extension on your ticket stub and return it to your department administrator. The drawing will be held Friday, April 7. Results will be published in PLANE NEWS and announced over the PA system.

Until March 31

Remember the annual drive starts today and ends Friday, March 31. Your support is needed...your participation in any of the GAA activities is welcomed.

If you are not approached by someone in your department to purchase a ticket, ask your supervisor for one of the membership cards. And if you can't get any action in your home department, call GAA on Ext. 2133 or 2269 — they'll be glad to personally sell you a card.

Though the GAA team isn't telling how they do it, they've obviously discovered how to stretch the buck a long, long way. Why not pass the buck to GAA, right away?

GAA-sponsored activities

Club	Contact	Ext.
Aikido	Bob Bauman	2945
Amateur Radio	Skip Courtney	2536
Coin (Bethpage)	Ken Hale	3717
Coin (Calverton)	Jerry Kreussling	6844
Chess	Alex Ikonnikow	(115) 3673
Cycle Touring	Herman Leuther	(115) 3515
Dance	Marvin Brown	(115) 3777
Duplicate Bridge	Frank O'Lear	6013
Family Campers	Charles Holzler	3585
Fencing	Pete Chaldaris	4331
Folk Dancing (Calverton)	Emil Urciuoli	6688
GACE Flying	Hal Smith	(115) 3434
Garden Forum	Dot Kappenberg	7075
Horticultural Society	Roy Goddard	(113) 7914
Karate	Hy Dreksler	6236
Krystal Krackers (C.B.)	Harvis Keahey	2614
Model Aviation Society	George Myers	2017
Model Railroad	Ray Muntz	7408
Pocket Billiards	John deMarco	5133
Retiree	Ellen Drasser	2133
Rod & Gun	Al Turrell	3013
Scuba Divers	Bill Toolan	2781
Ski	Peg Penny	3829
Table Tennis	Frank Malone	5203
Toastmasters	James Hopkins	5318
Wing Nutz R.C. Squadron	John Sullivan	(117) 7427

Varsity Contacts

Bowling	Herb Mahoney	2133
Basketball	Tony Razziano	6866
Golf (Men)	Mike Cherry	2269
Golf (Women) Leagues	Joan Cetta	7126
Rifle	Hank Womble	8543
Soccer	Otto Stanaitis	(115) 3761
Softball (Men)	Jack Keane	7596
Softball (Women)	Jim Schwab	5926
Tennis (Men)	Andy Kaufmann	6240
Tennis (Women)	Ellen Drasser	2269

NASA, DOE increase funding for energy studies

Fuel shortages in a winter of record snowfalls have made it dismally clear to Americans how precious our energy supplies are. For the past several years, the Grumman Aerospace Energy Conservation group has been committed to finding the best ways to conserve our nation's fuel resources. Recently, the group won two contract extensions to perform energy conservation studies for the National Aeronautics and Space Administration (NASA) and the Department of Energy (DOE).

A 1976 contract for studies of 11 NASA technical facilities was recently increased by $300,000 to a total of $2.3 million. The study will probably extend to March 1979, says Tim Murphy, assistant director of Energy Conservation.

The Grumman group is helping NASA achieve its goal of a 50 percent reduction of its 1973 energy usage in these facilities by 1985. Sites include the Kennedy Space Center in Florida, Michoud Assembly Facility in Louisiana and the Marshall Space Flight Center in Alabama.

A similar contract with DOE for studies of 10 sites administered by their Albuquerque, New Mexico, operations office has been increased by $500,000 to a new total of over $2-million. The Inhalation Toxicology Research Center in New Mexico, and the Sandia Laboratories in New Mexico and California are among the facilities being studied.

So far, the Grumman group has developed 48 energy saving projects for DOE, with projected energy usage reduction of 37 percent over its 1975 consumption.

"Basically, we act as consultants," says Murphy. "We analyze their energy consumption and find out where the waste areas are. We then implement the necessary energy conservation steps — such as minimizing or eliminating dependence on a single energy source, modernizing a facility — whatever it takes—and then monitor these changes. It's a careful, phased approach. . .and it works."

At the Michoud Assembly Facility in Louisiana, for example, a 49 percent reduction of energy consumption was achieved. "We showed them how to cut back their fuel oil use from almost 800 billion BTU's (British Thermal Units) down to 179 billion BTU's," says Murphy. In a letter to NASA, Michoud officials praised the Grumman team's ability to penetrate the center's operations in a short period of time and were "impressed by the depth. . .and the soundness of their proposals." They also stated that "because of the Grumman effort, we have the necessary program to achieve the NASA goal of 50 percent reduction. . ."

More praise comes from DOE officials, who called the work done for the Albuquerque operations office ". . .by far, the best documented of the projects received from the field offices. . ."

"We've got a good system," says Murphy. "We can combine our experience in facilities engineering and operations with our aerospace disciplines, such as computer science, thermodynamics, environmental controls, and manufacturing methods."

President Jimmy Carter's Executive order 12003 is expected to lead to additional energy conservation work in the Federal govenment, and Grumman is optimistic about picking up its share. One of the requirements of the order is that all Federally-owned facilities (office buildings, hospitals, prisons, schools, etc.) must achieve a 45 percent reduction of their 1975 energy consumption by 1985. Says Murphy, "We'll be happy to show them how to measure up."

Energy check. *Tim Murphy, assistant director of Energy Conservation (L) and Tom Cuniffe, director of Facilities Engineering, review utility charts with Don Stein, Energy Conservation program manager(R).*

Nacelle market expanding

65 marks the spot. *Grumman Aerospace will build 24 ship sets nacelles and thrust reversers for Rockwell's new business jet.*

Rockwell International and Grumman Aerospace recently agreed to contract terms for the purchase of 24 sets of nacelles and thrust reversers for Rockwell's new business jet, the Sabreliner 65.

The contract, worth in the neighborhood of $3.5-million, calls for Grumman to deliver two ship sets per month, beginning in January 1979. Detailed parts are to be produced at Bethpage and assembly completed at Stuart, Florida.

Nacelles are the casings that house jet engines while thrust reversers brake the business jet and provide an extra margin for landings on short or slippery runways.

Grumman is currently delivering 10 nacelles each month to its customers which include: Dassault in France; Israel Aircraft Industries; Hawker Siddeley Ltd. in England and AiResearch Aviation Company. Rockwell International becomes Grumman's sixth nacelle customer.

The Nacelle and Thrust Reverser Program reached $5-million in sales last year. Based on orders and options to buy, Program Director Ron Pond predicts 1978 sales to reach $8-million, with 1979 topping the $13-million mark.

Matchmaker system now available for carpoolers

Nassau county's Office of Public Transportation is working with Grumman's Security and Personnel Services to formulate a carpool matching list for Grummanites.

Questionnaires will be distributed to all employees through the payroll department on March 16; additional copies will be available in all Employee Services offices. Complete the form, filling in your starting and finishing time, the plant you work in, the main intersection nearest your home, etc., and return it to Employee Services. Within a month, the County will deliver to all ESO's a computer printout listing the names and particulars on all interested employees.

For those who live in Nassau and work in a Grumman plant in Nassau, the list will contain all potential carpoolers within a one-mile grid. For all other commutation possibilities (for instance, if you live in Queens or Suffolk and work at Calverton, if you live in Suffolk and work in Bethpage, etc.) the printout will list potential carpoolers by resident town only.

Other Nassau County employers, such as Nassau Hospital, Doubleday, and Sperry, have participated in the program. Sperry reports great success with it, with over 20 percent of their employees responding.

Dinner invite

Cut-off date for ticket purchases for the annual dinner meeting of the Bethpage Federal Credit Union is March 10. If you have lost your meeting notice, contact Kathy Lewis, Ext. 6796. She's located in the Member Services section in the Bethpage office lobby.

Dance club members catch Wednesday night fever

Bunch of hustlers. *Dance club members practice their footwork every Wednesday evening in the Plant 30 cafeteria. If you're interested in joining them, contact club president Marv Brown, Ext. (115)3777. (Photo by Rich Breunig)*

Is your Saturday night fever strictly low grade? When you go to a discotheque, do all your friends out-Travolta you off the floor?

Maybe the way you spend your Wednesday afternoons can change the way you spend your weekends. The Grumman Dance Club, which meets every Wednesday at 5 P.M. in the Plant 30 cafeteria, can help you turn your disco badness to madness.

Grumman spirit

Its 175 members belong to one of the largest clubs at Grumman. Its program features regular weekly instruction and practice, plus twice a month instruction from professional dance teachers, for which there is a minimal charge. The club members also get together once a month at a local discotheque.

Full calendar of events

During the 60's and early 70's, dancing was simpler and less organized than it is today. It was possible then to go out on a crowded dance floor and thrash about aimlessly for an hour or so all by yourself and no one would notice. But now, with more elaborate dances such as the Hustle, the LA Walk and the Four Corners, you can't fake it anymore. You've got to know the steps, and you've got to have a partner.

"When the hustle was created nearly five years ago, it brought back the concept of touch dancing," says Marvin Brown, the president of the Grumman Dance Club. "We're teaching the Lindy Hustle, which is an updated version of the Lindy, and the Rope Hustle, with its characteristic rope-jumping arm movements."

"Line dances are back, too," says Marv, "reminiscent of the Alley Cat people were doing a few years ago. A big one now is the Bus Stop."

The club welcomes new people. Prospective members should call Marv Brown at Ext. (115)3777.

retirees

On behalf of their fellow workers, PLANE NEWS salutes the following men and women for their contributions to the company and wishes them well in their retirement. Those who retired in February were:

Theodore Crews (30), Andrew Wall (20), Edwin Petterson (2), Charles Silkworth (43), Thomas O'Hara (30), Mary Gise (28), Francis Groeber (2), William Paxson (77), Lodiwic McGillivray (87), Joseph Ferrara (2), Josephine Maietta (77), Fred Sager (3), Stanley Wierzbicki (2), Arthur Schmitz (6), Wilfred Mauch (6), and Genevieve Morris (25).

GRUMMAN plane news

ADDRESS CORRECTION REQUESTED

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